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tembracing ecience. It desire that his elder son, is trained up to successurian work, and when d for a business career-lespolitan business factor and to the other boy, Johim. But it was all the do to persuade Joseph to a medicine.

Warch beyond his family be finally took up Matinate cleverness altracted to which I was a witness, and which was mate cleverness altracted.

Though violent death in several of its most horrible forms threatened him time and again, he did not once forget that he was on the volcano for scientific pur-

was on the volcano for scientific purposes.

The thermometer in the observatory rose as high as 130 degrees Fahrenhelt, the window glass was cracked by the heat or broken by scoriae yet he so minutely observed the prenomenon of the external explosions that he was able to report that they "terminated without leaving little cones or craters, the lava, in its impetuosity, carrying every trace away."

way."
When his observatory violently rocked to and fro he critically observed that the oscillations were chiefly undulatory, from N E. to S W. While assess and stones were still fall-

While asnes and stones were still falling in great quantity, he went to the observatory's roof to gather specimens. When the fall had ceased, he rushed to measure its depth and fell engerly to speculating why 'a great quantity of coleoptera' (a species of insect) had assembled on the asnes and lapilli. Indeed, the entire time that he was shut in the observatory he was busy noting the various phenomena of the cruption from every possible viewpoint. Before he was surrounded by the two torrents of fire he went hither and yon over the volcano, studying the lava streams and venturing as close to the crater as the heat and lava would permit him. On the night when lava, issuing from a great fissure in the Atrio del Cavallo, overwhelmed a number of sightseers, he tried to dissuade parties from going up the mountain beyond the observatory but he himself left the observatory at 7 o'clock and did not return until the early hours of the following morning, when he was distressed to find dead and dying sight-seers in the observatory.

Eight Hundred Feet Into the Crater.

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Eight Hundred Feet Into the Crater.

It has truly been said that Palmieri was "the familiar spirit of the volcano."
He apparently had no dread of it in the slightest degree Indeed, the eruption of 1872 was barely over before he made his way to the crater, taking along with him his portable bifilar electrometer, an instrument of his own invention, for studying the electricity in the Vesuvian smoke clouds.

He found the crater divided by a great wall. "The two abysees had vertical sides, and revealed the internal structure of the cone. Their vertical depth was 250 meters, and beyond that I observed a sort of tunnel perforated in the rock, with a covering arch raised above the bottom of the eastern abyse about twelve meters, judging by the eye. " Various fissures about the brim of the double crater indicated prolongations downward, which allowed me to descend with a rope, in order to examine the interior of the tunnel."

Just a matter of \$20 feet into a hole that a short while before had been beiching fiery and suffocating death and

Palmieri's Brave Guard.

Palmieri's Brave Guard.

Palmieri was much averse to having any one run the same risks that he ran. During the eruptlon of 1872 bands of brigands overran the stricken region, and that Palmieri might not be disturbed, the Government dispatched two carabineers to him, to not as a guard. When they presented themselves at the observatory Palmieri insisted on their leaving at once, saying that he did not care to put their lives in jeopard. The carabineers retorted that if they were not permitted to remain they would certainly take the professor with them to the city. To be compelled to leave his post was the thing furthest from Palmieri's mind, so he was forced to share his threatened roof with the brave guard. It must not be supposed from the foregoing that Palmieri was altogether free from concern while the eruption was taking place. Two things caused him much uneasiness. One was that as he had only one assistant, the instrument could not be watched as closely as he desired. He especially lamented the fact that he could not communicate with his

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morning.

thrice repeated, near the banks of the great river of fire that ran close to the observatory. At three points, and at different times, I observed great balls of black sinoke issue from the lava, driver of the thing of the character. The gave not black sinoke issue from the lava, driver of the character, through the smoke I frequently of the numerous projectiles thrown up with continued violence, as if from a contradict of the continued violence, as if from a safe distance, have written of some of its phases in dowery strain, into the leader was deafening.

"Each of these little eruptions, which is made of a grand cruption beheld them observatory was justly believed to be in danger."

In order to tell the full story of his study, Palmieri was compelled to speak of meaning the dust all but suffocated him; in Naples every one was seriously incommoded by the dust clouds. Only to his immediate farmily did he tell of still other dangers for example, how he was reduced to living on the leather seats of the observation.

Science's Triumph Over Fear.

Though violent death in several of its most horrible forms threatened blim time and again, he did not once forget that he may be a solubly incomposed by the control of the contr

ing new tasks, he was nationally famed as an astronomer.

While he lived, all Italy could not boast of a more profound scholar. He wrote Latin and Greek grammars, a history of Greece, a history of Italian literature, a history of Flacchio, where he was born on April 23, 1807, besides text tooks on physics and mathematics, a two-volume work on the Elements of Fhilosophy, for use in colleges, and scores of memoirs on various branches of physics, electricity, magnetism and meteorology being among them Between 1842 and 1872 he produced no less than forty such memoirs. He was indefatigable in his researches, and that is one reason why he has contributed more than any other man to the volcanic knowledge of the race.

The First Citizen of Naples. During the greater part of the forty and more years that Palmieri spent measuring Vesuvius inside and out, calcu-lating the amount of lava it had ejected, and studying it in every way he could conceive, he was easily the first citizen of Navion

conceive, he was easily the first citizen of Naples.

Early in his work on the volcano, he invented the selsmograph, a delicate mechanism that catches the slightest tremor of the volcano. Hence, he was able to predict with remarkable accuracy every fresh outbreak of his pet, and the fulfillment of his first predictions and his reassuring messages in times of apprehension speedily won him a sure place in the hearts of all Neapolitans.

times of apprehension specifiy won him a sure place in the hearts of all Neapolitans.

While the eruption of 1872 was in progress, the observatory, surrounded by fire, could frequently be seen from Naples, and on every hand prayers were heard for the safety of the intrepld sciential penned within. When a great ball of smoke was seen to spring, apparently from the ground and right by the side of the observatory many of the onlookers, thinking that Palmieri's end had at last come, burst into uncontrollable weeping.

The worst day of the eruption was on Friday, April 28. The following Friday the professor descended into the city, that he might lecture to his class the next morning on the more important of the phenomena he had observed and studied. The city had learned that he was to do this, and long before dawn of Saturday merning, thousands of persons began collecting in front of the hall where the lecture was to be given Palmieri was plainly averse to facing such a multitude, and when it was suggested to him that he postpone his lecture until a hall, that would hold thousands instead of hundreds could be secured, he cagerly selzed on the opportunity to lead a handful of his students back to the mountain shortly after daybreak. But they did not leave the city alone. Hundreds of enthusiastic Neapolitans apprised of their hero's new move, fell in behind him and his young men and enthusiastically accompanied them the greater part of the way buck to the observatory.

It was not until May 16 that the lecture was delivered. By that time the city had regained its wonted galety, all dread of Vesuvius had passed; nevertheless several thousand persons crowded into the hall to hear what Palmieri had to say about their destructive neighbor.

Duty of Educators.

In delaying the adoption of adequate records and accounts, educators, whether in New York or in other cities, must have overlooked the important fact that a system which fails to disclose weakness, inefficiency, and unsatisfied needs, must also conceal strength, efficiency, and progress, to oppose revision is, therefore, to deny a school system the privilege of proving its true worth and of securing the generated and moral support to which ous financial and moral support to which it is entitled. A searchlight directed upon every city from its educational headquar-ters, and from educational bureaus of the State and the Nation, will reveal social

needs that otherwise escape notice; will, by prompt notice of children, families, and districts needing attention, materially strengthen every private and public child-saving agency and render the schools themselves more efficient in preventing ignorance, truancy, crime and dependence. One negligent New York truant officer, or one Philadelphia teacher who falls to tell of truancy hecause "the truant makes trouble," can manufacture work for a score of child-saving agencies; indifference to children illegally employed will furnish relief societies with clients for generations to come. If the highest purpose of the public school is to teach citizenship rather than scholarship, to develop moral, industrial, and civic efficiency, what botter first step than for teacher and director to practice what they teach, and discharge their duty as trustees by rendering account of their stewardship in such a way as to make possible and necessary the hearty, because intelligent, co-operation of their community in support of every demonstrably sound, efficient school policy?—William H. Allen in the Review of Reviews.

Not Easy.

'Is he in easy circumstances?"
'Yes, and he got there by not being easy."
ouston Post.

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